

ABSTRACT

TELECOMMUNICATION SYSTEM WITH REAL TIME PROTOCOL SYNCHRONIZATION AFTER HAND-OVER PROCEDURE

Synchronization of a hand-over procedure of a mobile telecommunication terminal (MT) coupled to a second terminal (TS) via a mobile access network (UTRAN), a packet switching network (IP), and an external telecommunication network (TL). During the hand-over (MT1-MT2), the mobile terminal switches from a first media gateway (MG1) to a second media gateway (MG2), each interfacing the mobile and the packet switching networks and producing different series of reference values associated to packets transmitted to an anchor media gateway (MG0), interfacing the packet switching network and the external network. After the hand-over, the anchor media gateway (MG0) calculates the difference between a reference value received from the second media gateway (MG2) and a reference value that had been received from the first media gateway if no hand-over had occurred. This difference is then returned to the second media gateway to synchronize its series therewith, e.g. by subtracting the received difference from the actual reference number of the series. When the second media gateway is synchronized, no further operation is required from the anchor media gateway.

Unique figure